Census Enterprise Data Collection and Processing (CEDCaP) Discussant

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FUTURE ON
Activating Change.

Comments

Transformational Vision

Strong Conceptual Design
(Consolidation of Systems into Common Platform)

Good Recognition of Enterprise Architecture
(Will Enable More Agile, Adaptive, and Relevant Organization)

Good Understanding of Migration
(Importance of Separate Development, Testing and Staging)

United States Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
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Enterprise Architecture

Business Systems

Data Architecture

App Architecture

Common Statistical Platform

Infrastructure Architecture

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Issues / Challenges
Building Big Systems are Risky

- Architecture – Business vs. Enterprise
- Methodology for Development
- Time
- Team
- Technology Evolution

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Thoughts - Ideas

- Management
- Create Agency Wide Vision / Motivation for Project
- Create / Develop Strong Team (Team of two)
  - Committed
  - Management Involvement
  - Strong Business Involvement
  - Strong Government Leadership of SI/SE Team
    (Strong SE/SI But Census Leadership Should Be retained)
- Flexible / Agile Contracting

Thoughts - Ideas

Architecture

Modularization Risks Automating of Business Stove Pipes

Business and Data Architecture are Glossed Over

      Opportunities to Examine Logical Data Model

          Surveys as Transactions

          Big Data Analytics

          Product Generation

Methodology

- Rapid Prototyping With Cross Cutting Committee Review

      (First Working Prototype in 6 months)

- Use COTS wherever possible

Other Types of Engagements – Educating Team

- Industry Days…Early

- Visit Other Agencies NOAA, Intel, EPA, States..
  …..And Other Private Sector Organizations – Energy,
        Utilities, Commercial,…..
- Academic Specialists Meeting (Technology and Method)
        Experts give papers on all Topics that pertain
        (Cloud, UI, Apps, devices Data Management, Big
Data, Apps, Security, Services / SOA, Enterprise
        Architecture….)